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PATENT

2173
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M.L.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Bruce M. SCHENA

Serial No.: 09/866,385

Examiner: Unassigned

Confirmation No.: 4433

Art Unit: 2173

Filed: May 24, 2001

For: HAPTIC DEVICES USING ELECTROACTIVE POLYMERS

RECEIVED

Commissioner for Patents
Washington, D.C. 20231

JAN 27 2003

Technology Center 2100

PRELIMINARY AMENDMENT

Prior to examination of the above-identified application, please amend the above-captioned application as follows:

IN THE CLAIMS:

Please rewrite claims 1-35 in the following manner. The amendments to claims 1-35 are indicated in the attached Appendix. In addition, please add new claims ~~36-44~~.

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1. (Once Amended) An apparatus, comprising:
a housing;

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02 FC:1202

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a sensor configured to detect a movement of at least a portion of the housing, the sensor configured to output sensor signals associated with the movement; and
an electroactive polymer actuator coupled to the housing and configured to output a haptic-feedback force associated with the output sensor signals.

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2. (Once Amended) The device of claim 1, wherein the haptic-feedback force is associated with an event implemented by a host computer.

3. (Once Amended) The device of claim 1, wherein the haptic-feedback force output by the electroactive polymer actuator is an inertial force caused by moving a mass.